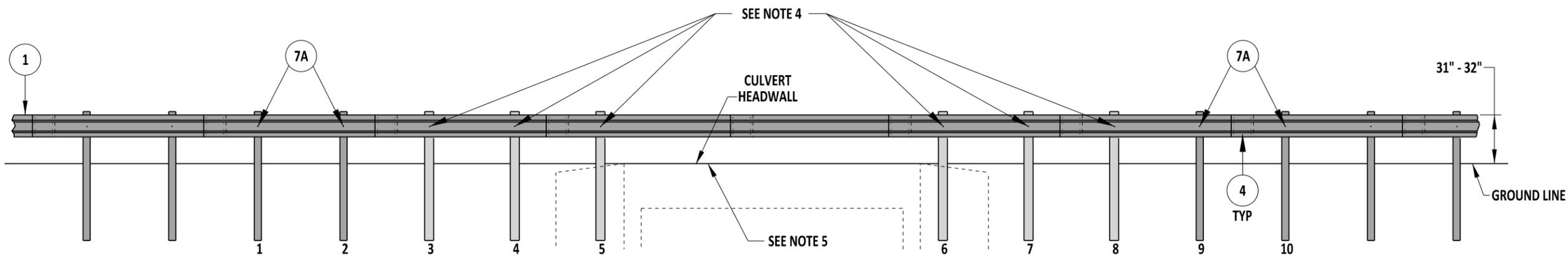


PLAN



ELEVATION

NOTES:

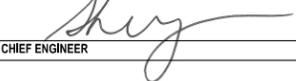
- 1). ALL W-BEAMS ARE 13'-6½" IN LENGTH.
- 2). PLACE GUARDRAIL DELINEATORS IN ACCORDANCE WITH DETAIL B-13, SHEET 9.
- 3). POSTS 1, 2, 9, & 10 ARE TO BE W6x9, 6'-0" STEEL POSTS. POSTS 3 THROUGH 8 ARE TO BE TYPE 31 LONG, WOOD BREAKAWAY POSTS.
- 4). THE RAIL SHALL BE ATTACHED AT POSTS 3 THROUGH 8 WITH A 5/8" x 22" GUARDRAIL BOLT, STEEL WASHER, AND RECESS NUT.
- 5). CULVERT HEADWALL SHALL NOT EXTEND MORE THAN 2" ABOVE GRADE.
- 6). THERE SHALL BE A MINIMUM OF 12" FROM THE BACK OF POST TO THE CULVERT WINGWALLS.
- 7). IF CURB IS USED, IT SHALL BE A MAX 2" HEIGHT WITHIN THE LIMIT OF PAYMENT OF THE GUARDRAIL OVER CULVERT.
- 8). MASH COMPLIANT SYSTEM - FHWA ELIGIBILITY LETTER B-189




 ENGINEERING SUPPORT 09/01/2020
 RECOMMENDED DATE

GUARDRAIL OVER CULVERTS, TYPE 3-31

STANDARD NO.	B-3 (2020)	SHT.	3 OF 3
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REVIEWED	 <small>DEPUTY DIRECTOR - DESIGN</small>
APPROVED	 <small>CHIEF ENGINEER</small>
	<small>09/01/2020</small> <small>DATE</small>